

Abstract of the Disclosure

An optical component for changing angular magnification of an imaging device. The optical component comprises a chamber having a first substrate on one side and a second substrate on the opposite side for separately disposing a first liquid drop and a second liquid drop along an optical axis. The chamber is also filled with a liquid, which is different from the first and second liquid drops. The optical component also has a first electrode adjacent to the first side, a second electrode adjacent to the second side, and a third electrode layer between the first and second electrode layers for applying different electric fields on the first and second liquid drops to change the focal lengths of the first and second liquid drops, without changing the sum of the focal lengths.